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(71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DALAL, Sandeep [US/US]; P.O. Box 3001, Briarcliff Manor, NY 10510-8001 (US). YANG, Yibin [US/US]; P.O. Box 3001, Briarcliff Manor, NY 10510-8001 (US). BOROCZKY, Lilla [US/US]; P.O. Box 3001, Briarcliff Manor, NY 10510-8001 (US). VAN ZON, Cornelis, C., A., M. [US/US]; P.O. Box 3001, Briarcliff Manor, NY 10510-8001 (US).

(74) Common Representative: KONINKLIJKE PHILIPS ELECTRONICS, N.V.; Intellectual Property & Standards, c/o BRAM, Eric M., P.O. Box 3001, Briarcliff Manor, NY 10510-8001 (US).

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(54) Title: VIDEO QUALITY ENHANCEMENT AND/OR ARTIFACT REDUCTION USING CODING INFORMATION FROM A COMPRESSED BITSTREAM

(57) Abstract: A system and method of processing a digital video signal for display on a display device, includes decoding an encoded digital video signal to produce a decoded digital video signal having a video source format; extracting coding information from the encoded digital video signal; executing a video quality improvement algorithm on the decoded digital video signal having the video source format using the extracted coding information, to produce a processed decoded digital video signal having the video source format; and converting the processed decoded digital video signal from the video source format to a video display format suitable for display on the display device. The system and method enhance the quality and/or reduce video artifacts in a video signal after it is decoded and prior to display on a display device.